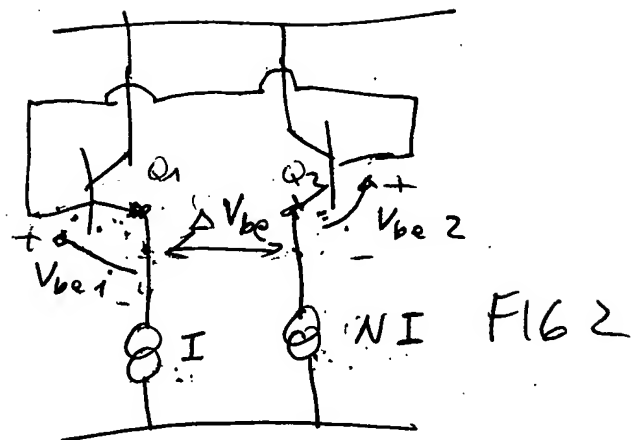


FIG 1
PRIOR ART



$$\Delta V_{be} = \frac{kT}{q} \ln \frac{NI}{I}$$

PRIOR ART

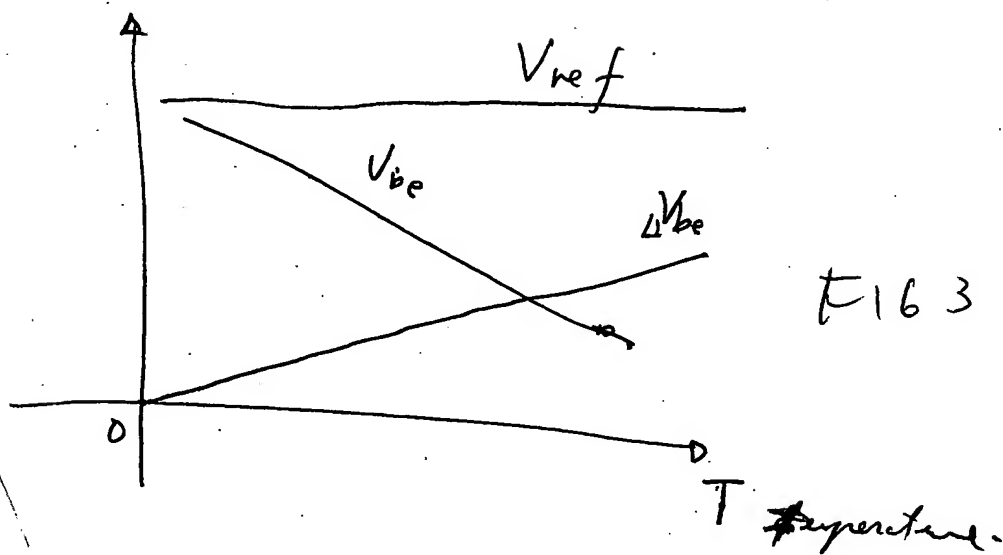
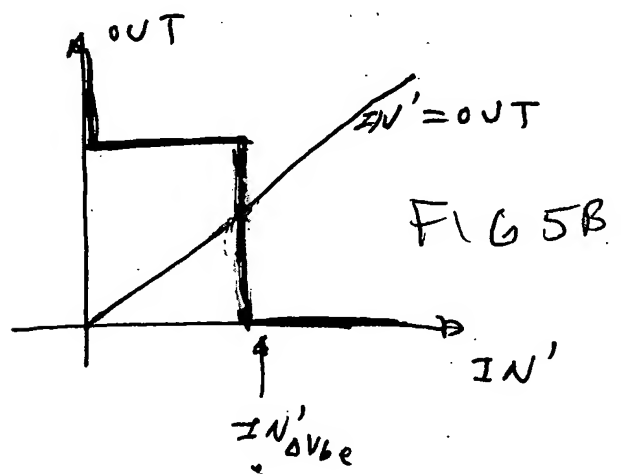
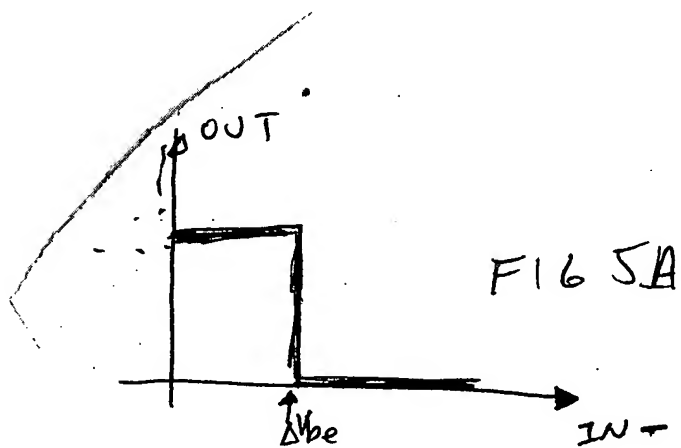
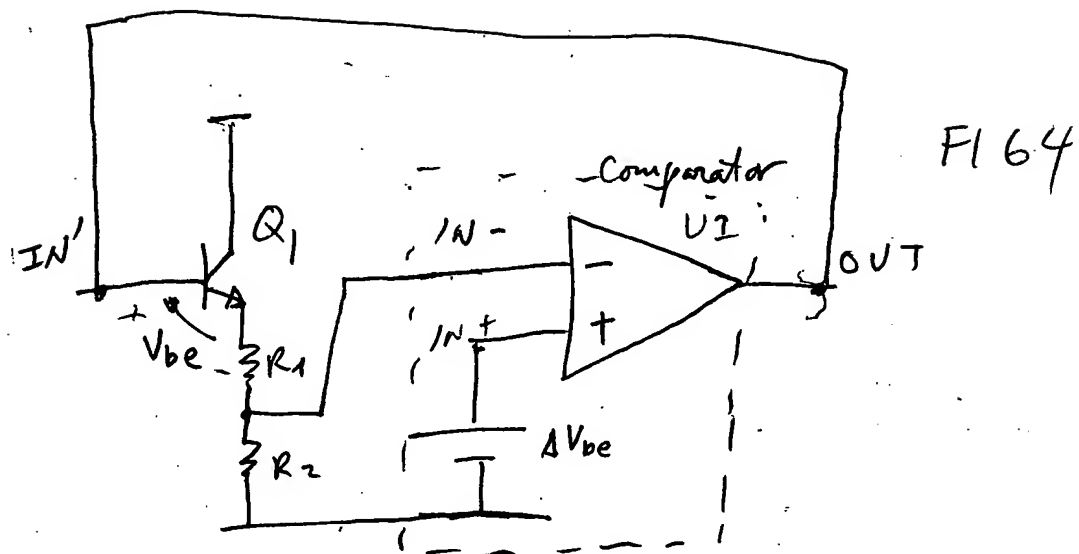


FIG 3



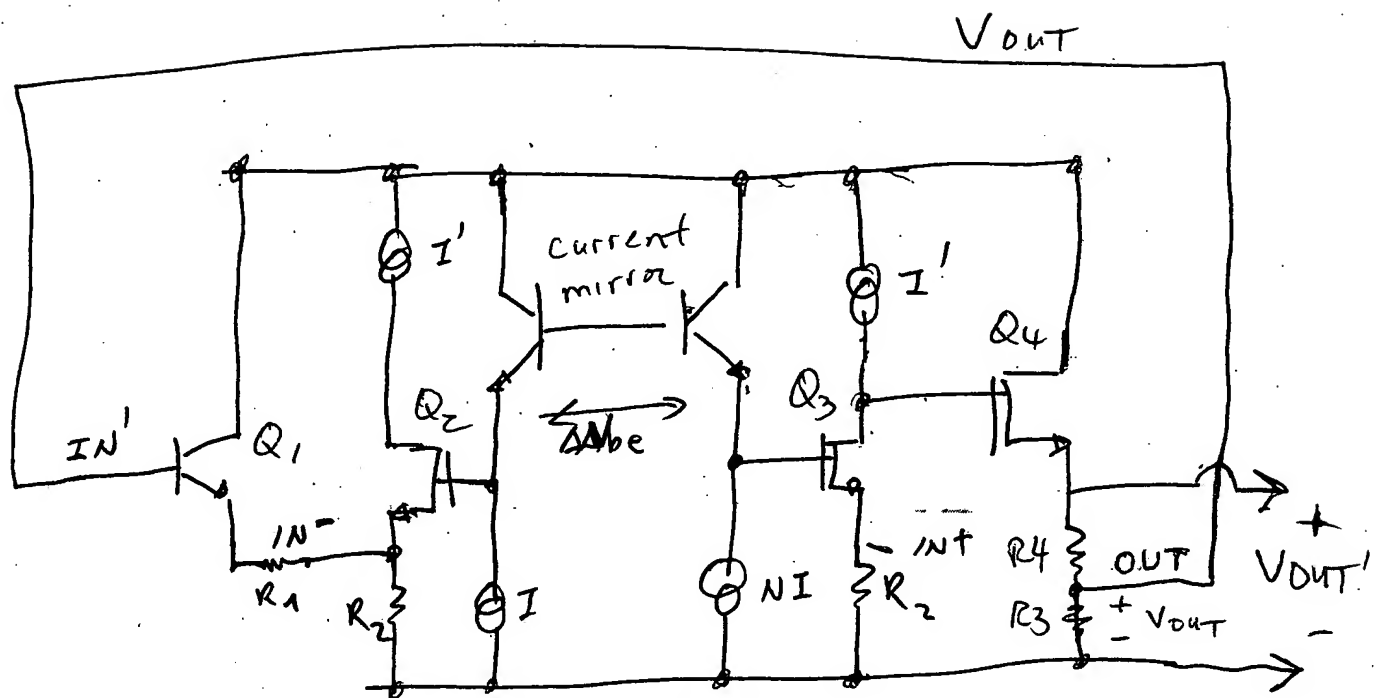


FIG 6